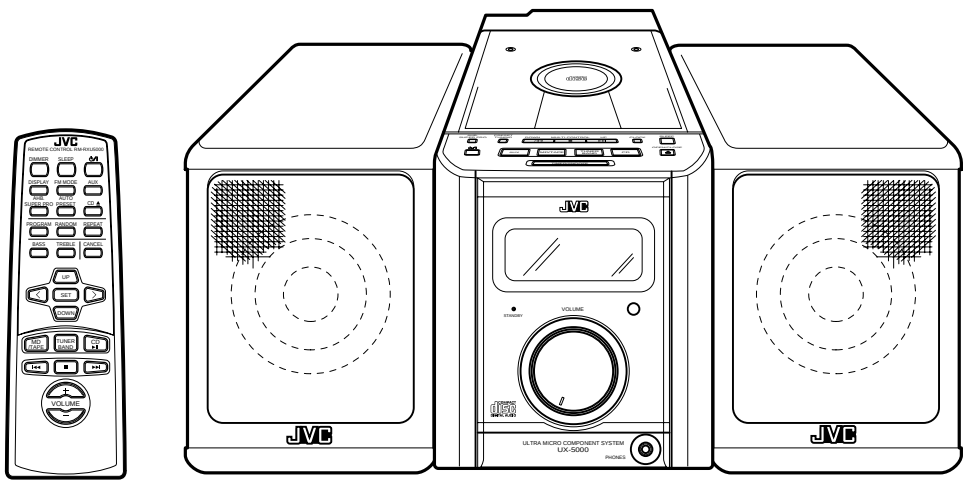
JVC

ULTRA MICRO COMPONENT SYSTEM

ULTRA-MIKRO-KOMPONENTEN-SYSTEM
SYSTEME DE COMPOSANTS ULTRA MICRO
ULTRA MIKRO KOMPONENTENSYSTEEM
SISTEMAS DE COMPONENTES ULTRA MICRO
SISTEMA AD ULTRA MICROCOMPONENTI

UX-5000



COMPACT disc DIGITAL AUDIO

INSTRUCTIONS
BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS
GEBRUIKSAANWIJZING
MANUAL DE INSTRUCCIONES
ISTRUZIONI

For Customer Use:
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.

Serial No.

LVT0034-001A
[E]

Warnings, Cautions and Others / Warnung, Achtung und sonstige Hinweise /Mises en garde, précautions et indications diverses /Waarschuwingen, voorzorgen en andere mededelingen/Avisos, precauciones y otras notas / Avvertenze e precauzioni da osservare

Caution –– ⏻/| switch!
Disconnect the mains plug to shut the power off completely. The ⏻/| switch in any position does not disconnect the mains line. The power can be remote controlled.

Achtung –– ⏻/| Schalter!
Den Netzstecker aus der Steckdose ziehen, um die Stromversorgung vollkommen zu unterbrechen. Der Schalter ⏻/| unterbrichet in keiner Stellung die Stromversorgung vollkommen. Die Stromversorgung kann mit der Fernbedienung ein- und ausgeschaltet werden.

Attention –– Commutateur ⏻/|!
Déconnecter la fiche de secteur pour couper compltement le courant. Le commutateur ⏻/| ne coupe jamais compltement la ligne de secteur, quelle que soit sa position. Le courant peut tre télécommandé.

Voorzichtig –– ⏻/| schakelaar!
Om de stroomtoevoer geheel uit te schakelen, trekt u de stekker uit het stopkontakt. Anders zal er altijd een geringe hoeveelheid stroom naar het apparaat lopen, ongeacht de stand van de ⏻/| schakelaar. U kunt het apparaat ook met de afstandsbediening aan- en uitschakelen.

Precaución –– Interruptor ⏻/|!
Desconectar el cable de alimentación para desactivar la alimentación totalmente. Cualquier que sea la posición de ajuste del interruptor ⏻/|, la alimentación no es cortada completamente. La alimentación puede ser controlada remotamente.

Attenzione –– L'interruttore ⏻/| !
Disinserire la spina del cavo di alimentazione dalla presa della rete elettrica per staccare completamente l'alimentazione. L'interruttore ⏻/| in nessuna posizione stacca la linea di alimentazione elettrica principale. È possibile il controllo remoto dell'alimentazione.

Per l'Italia:
"Si dichiara che il questo prodotto di marca JVC è conforme alle prescrizioni del Decreto Ministeriale n.548 del 28/08/95 pubblicato sulla Gazzetta Ufficiale della Repubblica Italiana n.301 del 28/12/95."

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

ACHTUNG
Zur Verhinderung von elektrischen Schlägen, Brandgefahr, usw:
1. Keine Schrauben lösen oder Abdeckungen enlfernen und das Gehäuse nicht öffnen.
2. Dieses Gerät weder Regen noch Feuchtigkeit aussetzen.

ATTENTION
Afin d'éviter tout risque d'électrocution, d'incendie, etc.:
1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

VOORZICHTIG
Ter vermindering van gevaar voor brand, elektrische schokken, enz.:
1. Verwijder geen schroeven, panelen of de behuizing.
2. Stel het toestel niet bloot aan regen of vocht.

PRECAUCIÓN
Para reducir riesgos de choques eléctricos, incendio, etc.:
1. No extraiga los tornillos, los cubiertas ni la caja.
2. No exponga este aparato a la lluvia o a la humedad.

ATTENZIONE
Per ridurre il rischio di shock elettrici, incendi, ecc...
1. Non togliete viti, coperchi o la scatola.
2. Non esponete l'apparecchio alla piogggia e all'umidità.

Caution: Proper Ventilation
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1 Front:
No obstructions and open spacing.
2 Sides/ Top/ Back:
No obstructions should be placed in the areas shown by the dimensions below.
3 Bottom:
Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

Vorsicht: Ausreichende Belüftung
Zur Vermeidung von elektrischen Schlägen, Feuer und sonstigen Schäden sollte das Gerät unter folgenden Bedingungen aufgestellt werden:
1 Vorderseite:
Hindernisfrei und gut zugänglich.
2 Seiten- und Rückwände:
Hindernisfrei in allen gegebenen Abständen (s. Abbildung).
3 Unterseite:
Die Stellfläche muß absolut eben sein. Sorgen Sie für ausreichende Luftzufuhr durch Aufstellung auf einem Stand mit mindestens 10 cm Höhe.

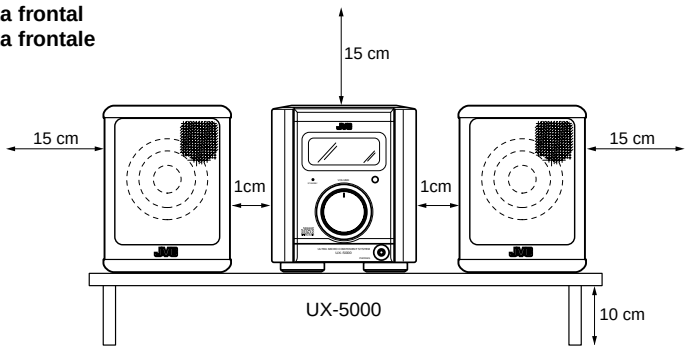
Attention: Aération correcte
Pour prévenir tout risque de décharge électrique ou d'incendie et éviter toute détérioration, installez l'appareil de la manière suivante:
1 Avant:
Bien dégagé de tout objet.
2 Côtés/dessus/dessous:
Assurez-vous que rien ne bloque les espaces indiqués sur le schéma ci-dessous.
3 Dessous:
Posez l'appareil sur une surface plane et horizontale. Veillez à ce que sa ventilation correcte puisse se faire en le plaçant sur un support d'au moins dix centimètres de hauteur.

Voorzichtig: Goede ventilatie vereist
Om brand, elektrische schokken en beschadiging te voorkomen, moet u het toestel als volgt opstellen:
1 Voorkant:
Geen belemmeringen en voldoende ruimte.
2 Zijkanten/boven-/onderkant:
Geen belemmeringen plaatsen in de hieronder aangegeven zones.
3 Onderkant:
Op vlakke ondergrond plaatsen. Voldoende ventilatieruimte voorzien door het toestel op een onderstel met een hoogte van 10 cm of meer te plaatsen.

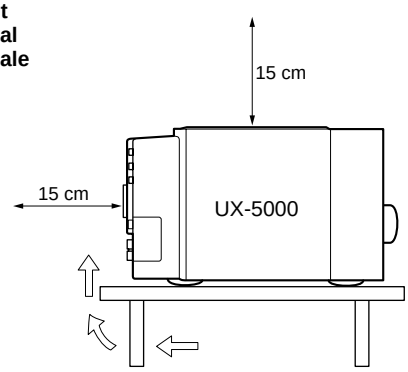
Precaucion: ventilación correcta
Para evitar el riesgo de descargas eléctricas e incendio y prevenir posibles daños, instale el equipo en un lugar que cumpla los siguientes requisitos:
1 Parte frontal:
Sin obstrucciones, espacio abierto.
2 Lados/parte superior/parte posterior:
No debe haber ninguna obstrucción en las áreas mostradas por las dimensiones de la siguiente figura.
3 Parte inferior:
Sitúe el equipo sobre una superficie nivelada. Mantenga un espacio adecuado para permitir el paso del aire y una correcta ventilación, situando el equipo sobre un soporte de 10 o más cm de allura.

Attenzione: Per una corretta ventilazione
Per prevenire il rischio di scosse elettriche e di incendio ed evitare possibili danni, collocare le apparecchiature nel modo seguente:
1 Parte anteriore:
Nessun ostacolo e spazio libero.
2 Lati/Parte superiore/Retro:
Lasciare libere le zone indicate dalle dimensioni di seguito.
3 Base:
Collocare su una superficie piana. Consentire un'adeguata ventilazione dell'impianto appoggiandolo su un tavolinetto alto almeno 10 cm.

Front view
Vorderansicht
Face
Vooraanzicht
Vista frontal
Vista frontale



Side view
Seitenansicht
Côt
Zijaanzicht
Vista lateral
Vista laterale



IMPORTANT FOR LASER PRODUCTS/ WICHTIGER HINWEIS FÜR LASER-PRODUKTE / IMPORTANT POUR LES PRODUITS LASER / BELANGRIJKE INFORMATIE VOOR LASERPRODUKTEN / IMPORTANTE PARA LOS PRODUCTOS LÁSER / IMPORTANTE PER I PRODOTTI LASER

REPRODUCTION OF LABELS/ANBRINGUNGSORTE FÜR LASER-PRODUKTE/REPRODUCTION DES ETIQUETTES/VERKLARING VAN DE LABELS/REPRODUCCIÓN DE ETIQUETAS/RIPRODUZIONE DELLE ETICHETTE

1 CLASSIFICATION LABEL, PLACED ON EXTERIOR SURFACE

1 KLASSIFIZIERUNGSHINWEIS BEFINDET SICH AUF DER AUSSENSIETE

1 ÉTIQUETTE DE CLASSIFICATION, PLACÉE SUR LA SURFACE EXTÉRIEURE

1 CLASSIFICATIE-ETIKET AAN DE BUITENKANT VAN HET APPARAAT

1 ETIQUETA DE CLASIFICACION, PROVISTA SOBRE LA SUPERFICIE EXTERIOR

1 ETICHETTA DI CLASSIFICAZIONE POSTA ALL'ESTERNO

2 WARNING LABEL, PLACED INSIDE THE UNIT

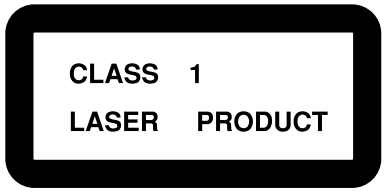
2 WARNETIKETTE IM GERÄTEINNEREN

2 ETIQUETTE D'AVERTISSEMENT PLACÉE À L'INTERIEUR DE L'APPAREIL

2 WAARSCHUWINGSLABEL, IN HET APPARAAT

2 ETIQUETA DE ADVERTENCIA, PEGADA EN EL INTERIOR DE LA UNIDAD

2 ETICHETTA DI AVVERTENZA, SITUATA ALL'INTERNO DELL'APPARECCHIO



DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
VARNING: Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling (d)
VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

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1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

1. LASER-PRODUKT DER KLASSE 1
2. **GEFAHR:** Unsichtbare Laserstrahlung bei Öffnung und fehlerhafter oder beschädigter Spre. Direkten Kontakt mit dem Strahl vermeiden!
3. **ACHTUNG:** Das Gehäuse nicht öffnen. Das Gerät enthält keinerlei Teile, die vom Benutzer gewartet werden können. Überlassen Sie Wartungsarbeiten bitte qualifizierten Kundendienst-Fachleuten.

1. PRODUIT LASER CLASSE 1
2. **ATTENTION:** Radiation laser invisible quand l'appareil est ouvert ou que le verrouillage est en panne ou désactivé. Eviter une exposition directe au rayon.
3. **ATTENTION:** Ne pas ouvrir le couvercle du dessus. Il n'y a aucune pièce utilisable à l'intérieur. Laisser à un personnel qualifié le soin de réparer votre appareil.

1. KLAS 1 LASERPRODUKT
2. **GEVAARLIJK:** Onzichtbare laserstraling wanneer open en de beveiliging faalt of uitgeschakeld is. Voorkom het direkt blootstaan aan de straal.
3. **VOORZICHTIG:** De bovenkap niet openen. Binnenin het toestel bevinden zich geen door de gebruiker te repareren onderdelen: laat onderhoud over aan bekwaam vakpersoneel.

1. PRODUCTO LASER CLASE 1
2. **PELIGRO:** En el interior hay radiación láser invisible. Evite el contacto directo con el haz.
3. **PRECAUCIÓN:** No abra la tapa superior. En el interior de la unidad no existen piezas reparables por el usuario; deje todo servicio técnico en manos de personal calificado.

1. PRODOTTO LASER CLASSE 1
2. **PERICOLO:** Radiazione laser invisibile quando l'apparecchio è aperto ed il dispositivo di sicurezza è guasto o disattivato. Evitare l'esposizione diretta ai raggi.
3. **ATTENZIONE:** Non aprire il coperchio superiore. Non vi sono parti adoperabili dall'utente all'interno di questo apparecchio; lasciare tutti i controlli a personale qualificato.

Thank you for purchasing the JVC Ultra Micro Component System.
We hope it will be a valued addition to your home, giving you years of enjoyment.
Be sure to read this instruction manual carefully before operating your new stereo system.
In it you will find all the information you need to set up and use the system.
If you have a query that is not answered by the manual, please contact your dealer.

Features

Here are some of the things that make your System both powerful and simple to use.

- The controls and operations have been redesigned to make them very easy to use, freeing you to just enjoy the music.
  - With JVC's **COMPU PLAY** you can turn on the System and automatically start the Radio or CD Player with a single touch.
- The System incorporates Active Hyper Bass Super PRO circuitry to faithfully reproduce low frequency sounds.
- A 45-station preset capability (30 FM and 15 AM (MW/LW)) in addition to auto-seek and manual tuning.
- Versatile CD options include repeat, random and program play.
- Timer functions; set the system to automatically come on, switch off.
- You can connect various external units, such as an MD recorder, tape deck, etc.

How This Manual Is Organized

- Basic information that is the same for many different functions - e.g. setting the volume - is given in the section 'Common Operations', and not repeated under each function.
- The names of buttons/controls and display messages are written in all capital letters: e.g. TUNER BAND, "NO DISC".
- System functions are written with an initial capital letter only: e.g. Normal Play.

Use the table of contents to look up specific information you require.
We've enjoyed making this manual for you, and hope it serves you in enjoying the many features built into your System.

IMPORTANT CAUTIONS

1. Installation of the System

- Select a place which is level, dry and neither too hot nor too cold. (Between 5°C and 35°C or 41°F and 95°F.)
- Leave sufficient distance between the System and a TV.
- Do not use the System in a place subject to vibrations.

2. Power cord

- Do not handle the power cord with wet hands!
- Some power (5W) is always consumed as long as the power cord is connected to the wall outlet.
- When unplugging the System from the wall outlet, always pull the plug, not the power cord.

3. Malfunctions, etc.

- There are no user serviceable parts inside. In case of system failure, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the System.

Table of Contents

Features 1
How This Manual Is Organized 1
IMPORTANT CAUTIONS 1

Getting Started 2

Common Operations 6

Using the Tuner 8

Using the CD Player 10

Listening to External Equipments 12

Using the Timers 13

Care And Maintenance 15

Troubleshooting 16

Specifications 17

Getting Started

Accessories

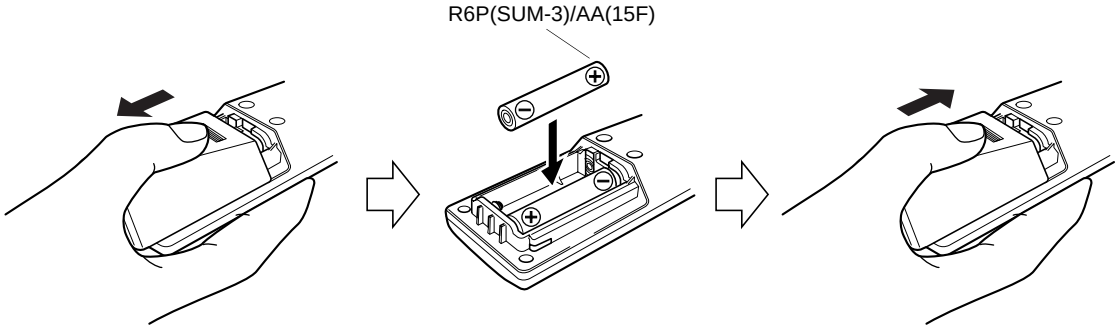
Check that you have all of the following items, which are supplied with the System.

Power Cord (1)
AM Loop Antenna (1)
Remote Control (1)
Batteries (2)
FM Wire Antenna (1)
Speaker Cords (2)

If any of these items are missing, contact your dealer immediately.

How To Put Batteries In the Remote Control

Match the polarity (+ and –) on the batteries with the + and – markings in the battery compartment.

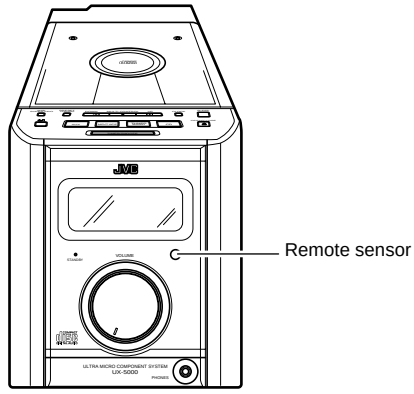


CAUTION: Handle batteries properly.
To avoid battery leakage or explosion:

- Remove batteries when the Remote Control will not be used for a long time.
- When you need to replace the batteries, replace both batteries at the same time with new ones.
- Don’t use an old battery with a new one.
- Don’t use different types of batteries together.

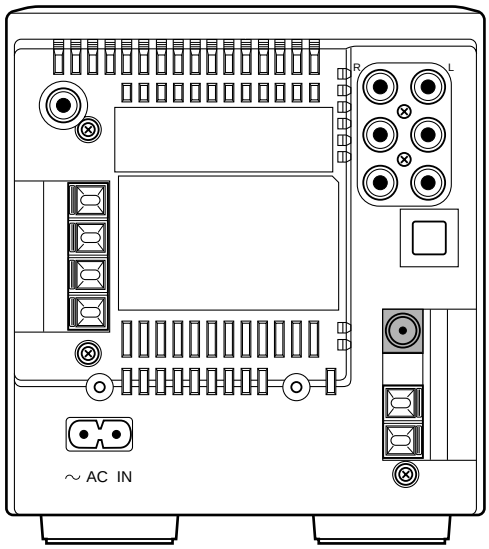
Using the Remote Control

The Remote Control makes it easy to use many of the functions of the System from a distance of up to 7m (23 feet) away.
You need to point the Remote Control at the remote sensor on the System’s front panel.

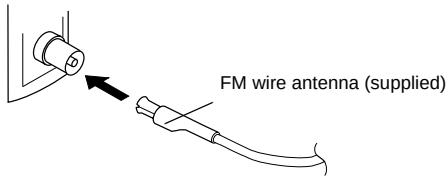


CAUTION: Make all connections before plugging the System into an AC power outlet.

Connecting the FM Antenna

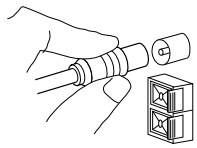


Using the Supplied Wire Antenna

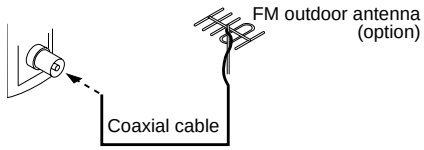


Using the Coaxial Type Connector (Not Supplied)

A 75-ohm antenna with coaxial type connector (DIN45 332) should be connected to the FM 75-ohm COAXIAL terminal.



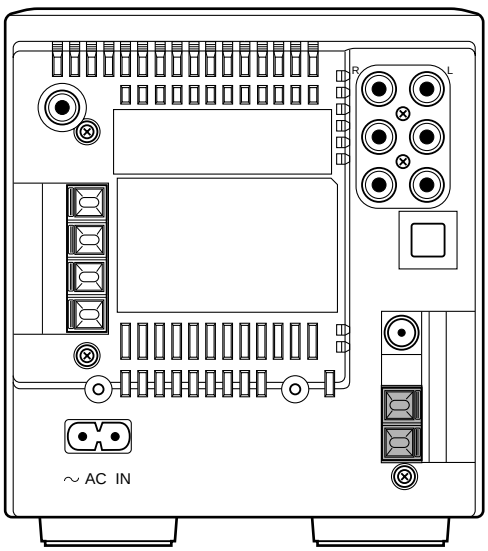
If reception is poor, connect the outside antenna.



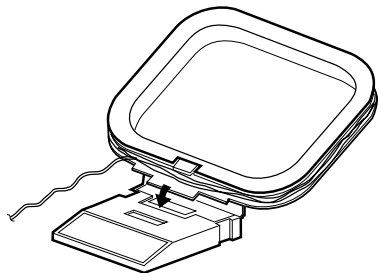
Note: Before attaching a 75 ohm coaxial lead (the kind with a round wire going to an outside antenna), disconnect the supplied FM Wire Antenna.

CAUTION: To avoid noise, keep antennas away from the System, the connecting cord and the AC power cord.

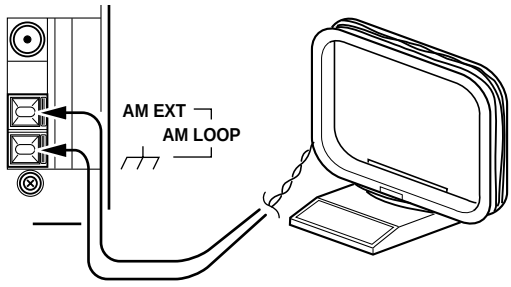
Connecting the AM (MW/LW) Antenna



AM loop antenna (Supplied)



Attach the AM loop to its base by snapping the tabs on the loop into the slot in the base.

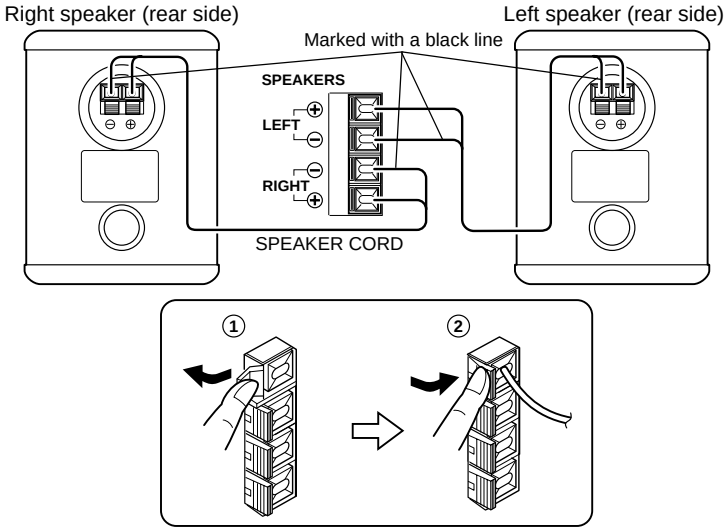


Turn the loop until you have the best reception.

CAUTION: Make all connections before plugging the System into an AC power outlet.

Connecting the Speakers

1. Open the Speaker terminals on the rear of the Unit, and on the Speakers themselves.
2. Connect the speaker cords between the terminals as shown below.
   Connect the cords with a black line to the (–) terminals and cords without a black line to the (+) terminals.
   Close each of the terminals to securely connect the cords.



CAUTION: A TV may display irregular colors if located near the speakers. If this happens, set the speakers away from the TV.

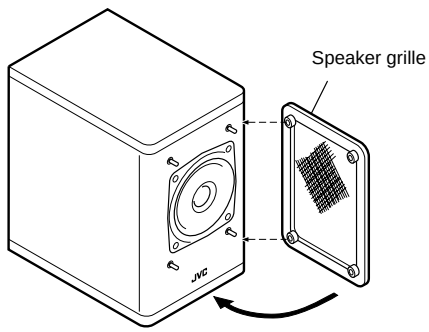
Removing the speaker grilles

The speaker grilles can be removed.

When removing,

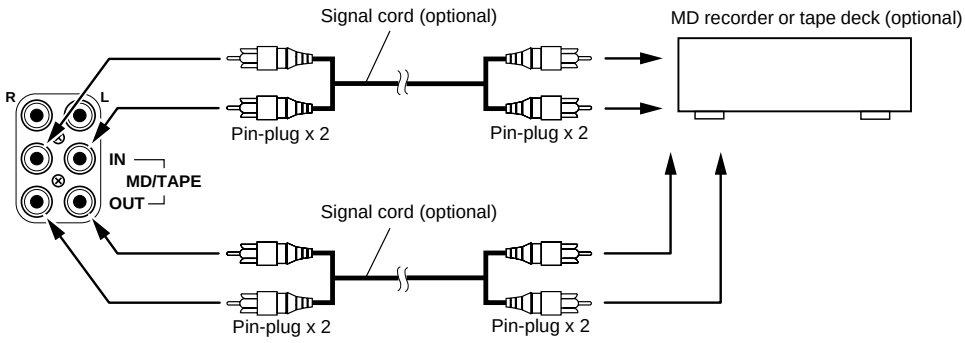
1. Insert your fingers at the top and pull towards you.
2. Also pull the bottom towards you.

When Attaching the speaker grille



Connecting an MD Recorder/Tape Deck

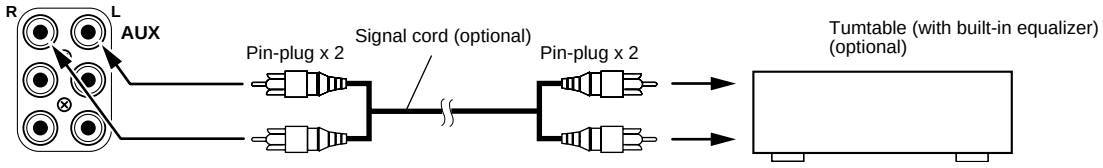
Connect (optional) signal cords between the System's MD/TAPE IN/OUT terminals and the output/input terminals of the external MD recorder, tape deck, etc.
You can then listen to the external source through the System, or record the System's CD player or tuner to the external unit.



CAUTION: Make all connections before plugging the System into an AC power outlet.

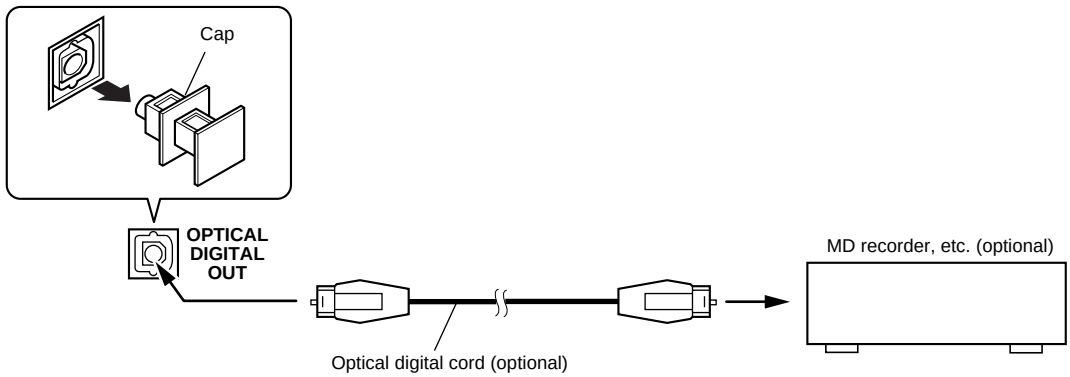
Connecting Auxiliary Equipment

Connect an (optional) signal cord between the AUX terminals on the System and the output terminals of your auxiliary equipment, (e.g. turntable). You can listen to this source.



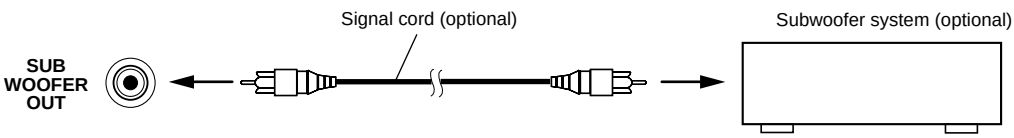
Connecting an MD Recorder, etc (Digital Output)

Unplug the cap and connect an (optional) optical digital cord between the System's OPTICAL DIGITAL OUT terminal and the input terminal of the MD recorder, etc.
You can record the digital output signal from the System's CD Player to the MD recorder, etc.



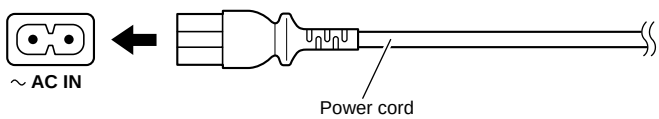
Connecting a Subwoofer System

Connect an (optional) signal cord between the SUB WOOFER OUT terminal and an external JVC subwoofer system, etc.



Connecting the AC Power Cord

Firmly insert the supplied AC power cord into the AC inlet on the back of the Unit.



CAUTIONS:

- ONLY USE THE JVC POWER CORD PROVIDED WITH THIS SYSTEM TO AVOID MALFUNCTION OR DAMAGE TO THE SYSTEM.
- BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE SYSTEM IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.

Now you can plug the AC power cord into the wall outlet, and your System is at your command!

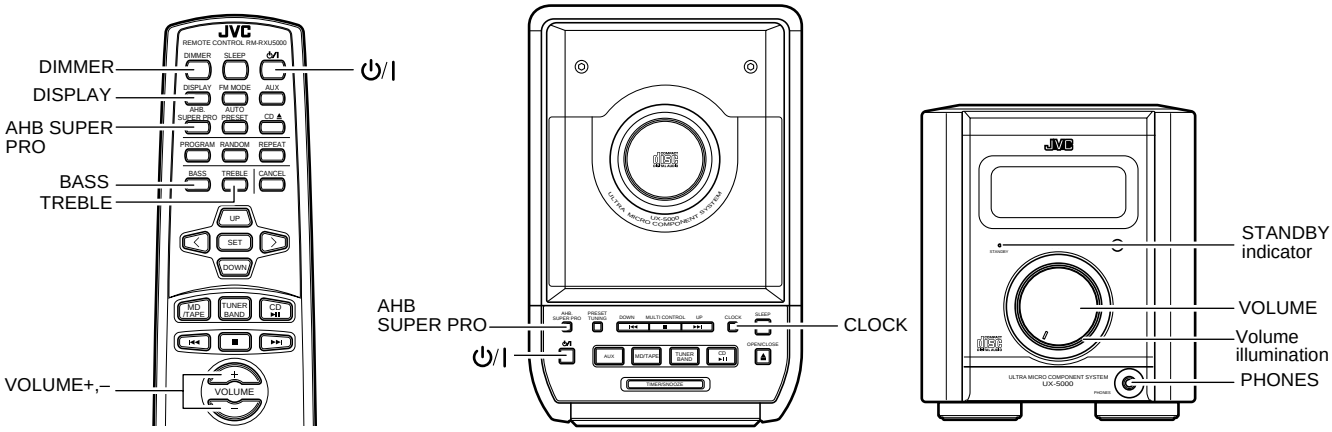
COMPU PLAY

JVC's COMPU PLAY feature lets you control the most frequently used System functions with a single touch.
With One Touch Operation you can play a CD, turn on the radio, or listen to an external equipment with a single press of the play button for that function. One Touch Operation turns the power on for you, then starts the function you have specified. If the System is not ready (no CD in place), the System still powers on so you can insert a CD.
How One Touch Operation works in each case is explained in the section dealing with that function.
The COMPU PLAY buttons are:

On the Unit
- CD ►II button
- TUNER BAND button
- MD/TAPE button
- AUX button

On the Remote Control
- CD ►II button
- TUNER BAND button
- MD/TAPE button
- AUX button

Common Operations



Turning the Power On and Off

Turning the System On

Press the ⏻/I button.

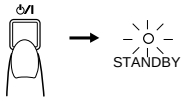
The display comes on and the STANDBY indicator goes out.
The System comes on ready to continue in the mode it was in when the power was last turned off.

- For example, if the last thing you were doing was listening to a CD, you are now ready to listen to a CD again. If you wish, you can change to another source.
- If you were listening to the Tuner last, the Tuner comes on playing the station it was last set to.

Turning the System Off

Press the ⏻/I button again.

The STANDBY indicator lights up and the display is blank, except for the clock display.



- Some power (5W) is always consumed even though power is turned off (called Standby Mode).
- To switch off the System completely, unplug the AC power cord from the AC outlet. When you unplug the AC power cord, the clock will be reset to 0:00 after about 20 minutes, and preset Tuner stations will be erased after about 24 hours.

Adjusting the Brightness (DIMMER)

You can adjust the brightness of the display.
To make the display brighter, press the DIMMER button on the Remote Control.
To make the display darker, press the DIMMER button on the Remote Control again.

- The brightness of the volume illumination is also adjusted.

- In Standby mode, the normal brightness is the same as the darker brightness for the powered System. When you press the DIMMER button in Standby mode, the brightness becomes further darker. In standby mode, the volume illumination does not light.

Adjusting the Volume

Turn the VOLUME control of the Unit clockwise to increase the volume or counterclockwise to decrease it.

OR

With the System turned on, press the VOLUME + button on the Remote Control to increase the volume or press the VOLUME – button to decrease it.

CAUTION: DO NOT turn on the System and/or start playing any source without first setting the VOLUME control to minimum, as a sudden blast of sound could damage your hearing, speakers and/or headphones.

For private listening

Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers.

Be sure to turn down the volume before connecting or putting on headphones.

Reinforcing the Bass Sound (AHB SUPER PRO)

You can reinforce the bass sound to maintain rich, full bass at low volume (you can use this effect only for playback):

To get the effect, press the AHB (Active Hyper Bass) SUPER PRO button on the Unit or the Remote Control.

The "BASS" indicator lights up on the display.

To cancel the effect, press the button again.

The "BASS" indicator goes out.

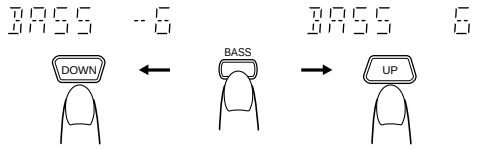
Tone Control (BASS/TREBLE)

You can control the tone by changing the bass and treble.

BASS Control

You can adjust the bass level (low frequency range level) between –6 and 6. (0: Flat)

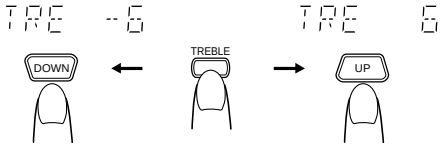
1. Press the BASS button on the Remote Control.
2. Press the UP or DOWN button on the Remote Control to adjust the bass level.



TREBLE Control

You can adjust the treble level (high frequency range level) between –6 and 6. (0: Flat)

1. Press the TREBLE button on the Remote Control.
2. Press the UP or DOWN button on the Remote Control to adjust the treble level.



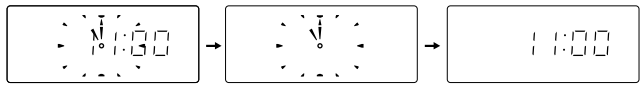
Showing the Time (DISPLAY)

In addition to a standard digital clock, an analogue clock (which advances every five minutes) can be displayed. The clock display order varies according to the System mode:

In Standby mode

Every time you press the DISPLAY button on the Remote Control (or the CLOCK button on the Unit), the clock display changes as shown below.

Digital Clock + Analogue Clock → Analogue Clock → Digital Clock → (back to the beginning)



When the System is turned on

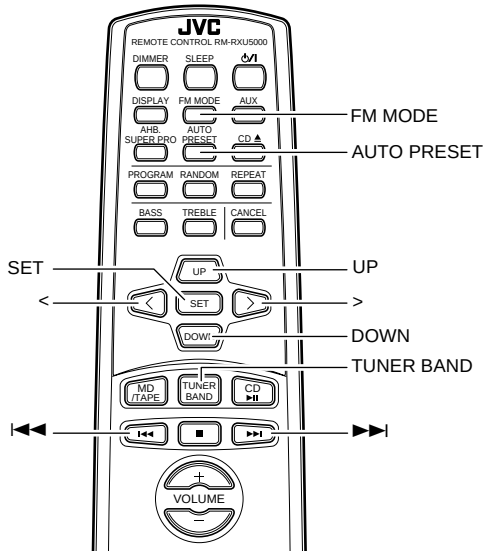
Every time you press the DISPLAY button on the Remote Control (or the CLOCK button on the Unit), the time display changes as follows:

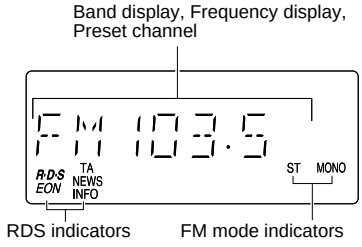
Current Source + Analogue Clock → Analogue Clock → Digital Clock → Current Source → (back to the beginning)

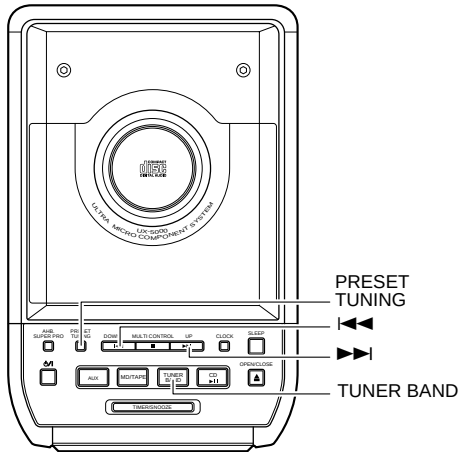
Note: The clock must be set to the correct time first. (See "Setting the Clock" on page 13.)

English

Using the Tuner







When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

You can listen to FM and AM (MW/LW) stations. Stations can be tuned in manually, automatically, or from preset memory storage.

■ Before listening to the radio:
- Check that both the FM and AM (MW/LW) antennas are correctly connected. (See page 3).

One Touch Radio

Just press the TUNER BAND button to turn on the System and start playing the station you were last tuned to.

■ You can switch from any other sound source to the radio by pressing the TUNER BAND button.

Tuning In a Station

1. Press the TUNER BAND button.

The Band and Frequency you were last tuned to appear on the display.
(If the last station was selected using the preset number, the preset number appears first.)
Each time you press the button, the band alternates between FM and AM (MW/LW).

AM ← TUNER BAND → FM

2. Select a station using one of the following methods.

■ **Manual Tuning**

Press the ⏮ or ⏭ button on the Unit or the Remote Control repeatedly to move from frequency to frequency until you find the station you want.

OR

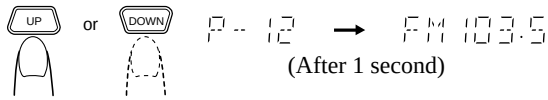
■ **Auto Tuning**

If you press and hold the ⏮ or ⏭ button on the Unit or the Remote Control for one second or more, the frequency changes down, or up, automatically until a station is found.

OR

■ **Preset Tuning using the Remote Control (Possible only after presetting stations)**

Press the UP or DOWN button on the Remote Control to select the desired preset number. After 1 second the display will show the preset number's band and frequency.
Example: Press the UP button until the preset number 12 "P--12" appears.



■ **Preset Tuning using the Unit (Possible only after presetting stations)**

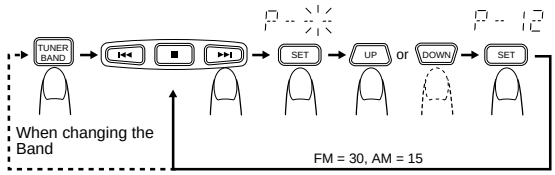
Press the PRESET TUNING button to select the desired preset number. Its band and frequency are displayed.

Presetting Stations

You can preset up to 30 FM stations and up to 15 AM (MW/LW) stations using the Remote Control.

Note: Preset numbers may have been set to factory test frequencies prior to shipment. This is not a malfunction. You can preset the stations you want into memory by following one of the presetting methods below.

Manual Presetting



1. Select a band by pressing the TUNER BAND button.

2. Press the ⏮ or ⏭ button to tune in a station.

3. Press the SET button.

"P------" is displayed. The lower 2 digits blink.

4. Press the UP, DOWN, >, or < button to select the preset number.

   UP button: Increases the preset number by 1.
   DOWN button: Decreases the preset number by 1.
   > button: Increases the preset number by ten.
   < button: Decreases the preset number by ten.

5. Press the SET button.

   After 1 second, the display returns to the broadcast frequency display.

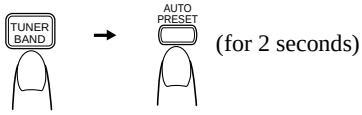
6. Repeat above steps 1 to 5 for each station you want to store in memory with a preset number.

   To cancel during presetting, press the CANCEL button in step 3 or 4.

   To change the preset stations, repeat the same steps as above.

Auto Presetting

In each band, you can automatically preset FM-30, AM (MW/LW)-15 stations. Preset numbers will be allocated as stations are found, starting from the lowest frequency and moving up the frequency.



1. Select a band by pressing the TUNER BAND button.
2. Press the AUTO PRESET button on the Remote Control for more than two seconds.
3. Repeat steps 1-2 for the other band.

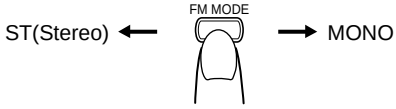
■ If you want to change the preset stations, carry out the Manual Presetting for the desired preset numbers.

CAUTION: If the System is unplugged or if a power failure occurs, the preset stations will be erased after about 24 hours. If this happens, you will need to preset the stations again.

To Change the FM Reception Mode

When you are tuned into an FM stereo broadcast, the “ST (Stereo)” indicator lights up and you can hear stereo effects.
If an FM stereo broadcast is hard to receive or noisy, you can select Monaural mode. Reception improves, but you lose any stereo effect.

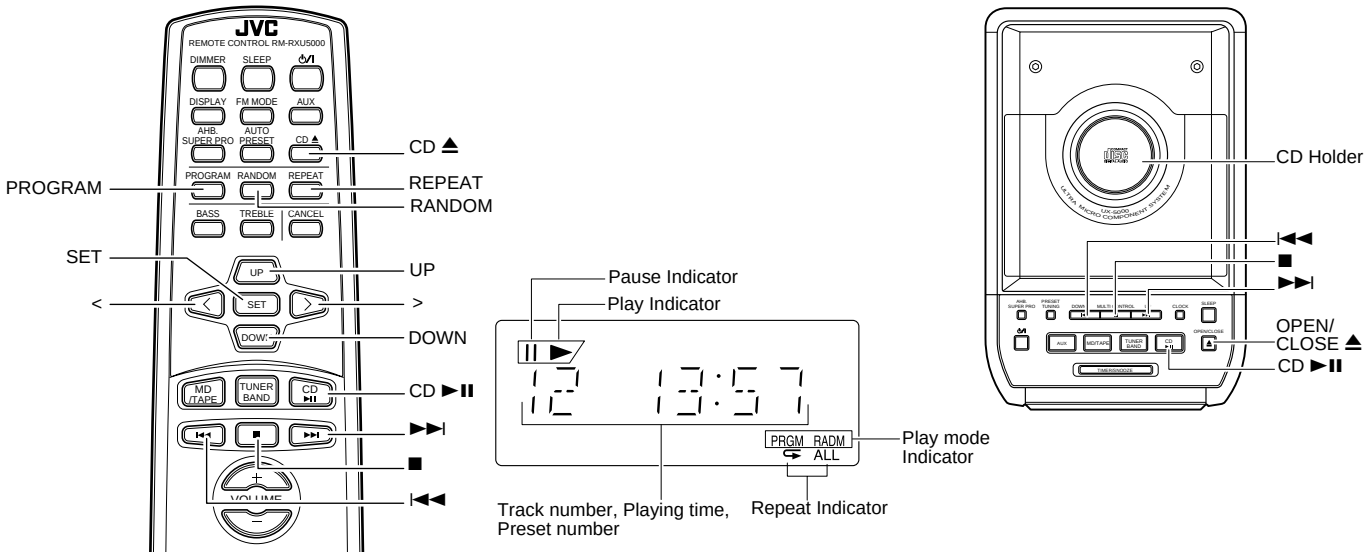
Press the FM MODE button on the Remote Control so that the “MONO” indicator lights up on the display.



To restore the stereo effect, press the FM MODE button on the Remote Control so that the “MONO” indicator goes off.

English

Using the CD Player



When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

You can use Normal, Random, Program or Repeat Play. Repeat Play can repeat all the tracks or just one of the tracks on the CD.

Here are the basic things you need to know to play a CD and locate the different tracks on it.

The Quickest Way To Start a CD Is With the One Touch Operation

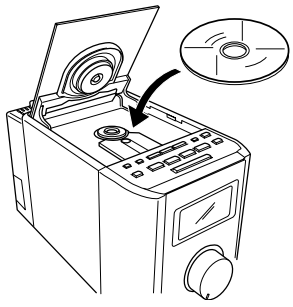
■ Press the CD ►II button.

- The power is automatically turned on. If a CD is already inserted, it will start playing from the first track.
- If no CD is inserted, "NO DISC" appears on the display and the CD Player remains in Stop mode.

To Insert a CD

1. Press the OPEN/CLOSE ▲ button (or the CD ▲ button on the Remote Control).
   The CD holder opens.

2. Place a CD, with its label side up as shown below.



3. Press the ▲ button again to close the CD holder.

■ You can place an 8 cm CD without an adaptor.
■ If the CD cannot be read correctly (because it is scratched, for example), "00 0000" appears on the display.

CAUTION:DO NOT try to close the CD holder by hand as it will be damaged.

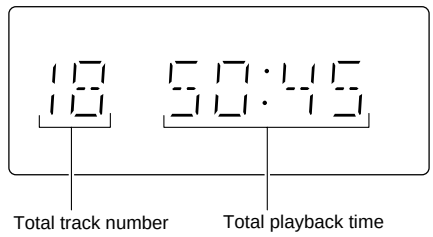
Basics of Using the CD Player - Normal Play

To Play a CD

1. Insert a CD.

2. Press the CD ►II button.
   The Play (►) indicator lights up on the display and the first track of the CD begins playing.
   The CD Player automatically stops when the last track of the CD has finished playing.

To stop playing the CD, press the ■ button on the Unit or the Remote Control.
The following information for the CD is displayed.



To stop playing and remove the CD, press the ▲ button to open the CD holder.
To pause, press the CD ►II button. The Pause (II) indicator will light up on the display.
To cancel pause, press the same button again. Play continues from the point where it was paused.

To Select a Track or Passage within a Track

During playback, press the I◄◄ or ►►I button on the Unit or the Remote Control to select the track you want.
The selected track starts playing.

- Press the ►►I button once to skip to the beginning of the next track.
- Press the I◄◄ button to skip to the beginning of the track being played. Press twice quickly to skip to the beginning of the previous track.

Search Play

Holding down the I◄◄ or ►►I button on the Unit or the Remote Control, during playback, will fast forward/backwards the CD so you can quickly find a particular passage in the track you are listening to.

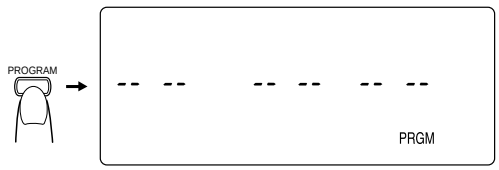
Programming the Playing Order of the Tracks

You can program the playing order of the tracks using the Remote Control.

- You can program up to 20 tracks in any desired order.
- You can only make a program when the CD Player is stopped.

1. Insert a CD.
2. Press the CD ►II button.
3. Press the e button to stop the CD.
4. Press the PROGRAM button.

   The System enters the programming mode and the "PRGM" indicator lights up.

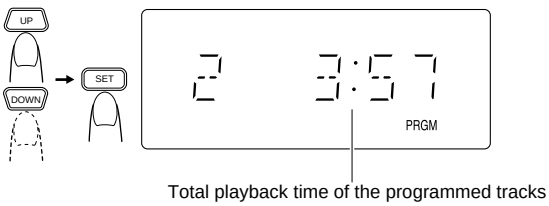


5. Press the UP, DOWN, >, or < button to select the track to program.

   UP button: Increases the track number by 1.
   DOWN button: Decreases the track number by 1.
   > button: Increases the the track number by ten.
   < button: Decreases the track number by ten.

   - Example: for track 2, press the UP button twice. For track 12, press the > button, then press the UP button twice (or simply press the UP button 12 times).

6. Press the SET button.



7. Repeat steps 5 and 6 to select the other tracks for the program.

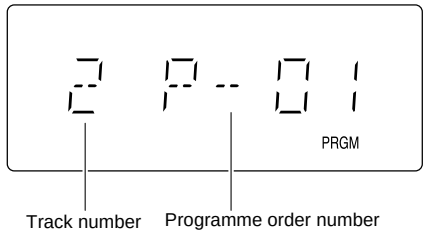
   You can see the total playback time of programmed tracks on the display.

8. Press the CD ►II button.

   The System plays the tracks in the order you have programmed them.

- You can skip to a particular program track by pressing the I◄◄ or ►►I button during Program Play.

To cancel the programming before playing, press the CANCEL button in above step 4, 5 or 6.
To confirm the programmed tracks, press the PROGRAM button; the tracks making up the program will successively be displayed in the programmed order.



To stop playing, press the e button once.
To delete all the tracks in a program, press the ■ button (or the CANCEL button on the Remote Control) while the CD Player is stopped. The "PRGM" indicator goes out and the program is deleted. Normal Play is resumed.
The program will also be deleted when you press the ≜ button to open the CD holder.

Note: If the total playback time of the programmed tracks exceeds 99 minutes 59 seconds, the total playback time will go out on the display.

Random Play

The tracks will play in no special order when you use this mode.

Press the RANDOM button on the Remote Control.

Playback automatically starts and the "RADM" indicator lights up on the display.
To skip a track during playback, press the ►►I button to jump to the next track in the random sequence. Press the I◄◄ button to jump back to the start of a track being played.
To cancel random play, press the RANDOM button again. The "RADM" indicator goes out and Normal Play is resumed.

Repeating Tracks

You can set the program or individual track playing to repeat as many times as you like.

Press the REPEAT button on the Remote Control.

The Repeat indicator changes with each press of the button, as shown below.

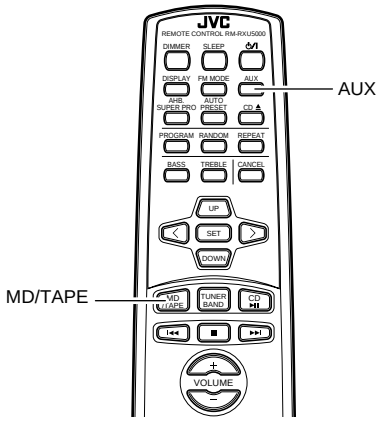
↻ → ↻ **ALL** →blank display → (back to the beginning)

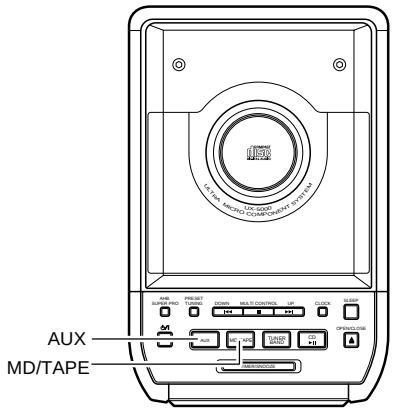
↻ : Repeats one track.
In Random Play mode, this indicator is skipped
↻ **ALL** : In Normal Play mode, repeats all the tracks.
In Program Play mode, repeats all the tracks in the program.
In Random Play mode, repeats all the tracks in random order.

To exit Repeat mode, press the REPEAT button until the Repeat indicator on the display goes out

English

Listening to External Equipment





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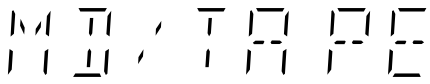
Listening to an External MD Recorder/Tape Deck

You can play an external MD player, tape deck, etc. through the system.

■ First make sure that the external equipment is properly connected to the System. (See page 4).

1. Set the VOLUME control to minimum.
2. Press the MD/TAPE button.
   When the System is in Standby mode, the System is automatically turned on.
   "MD/TAPE" appears on the display.



3. Start playing the external equipment.
4. Adjust the VOLUME control to the desired listening level.
5. Apply sound effects, if you wish.

■ Press the AHB Super PRO button to reinforce the bass sound.
■ Press the BASS/TREBLE button to control the tone.
(See "Tone Control" on page 7.)

To exit MD/TAPE mode

You will automatically switch out of MD/TAPE mode when you select another source.

Note: You can also record the System's output signal to the external equipment. For operation, refer to the equipment's own instructions..

Listening to Auxiliary Equipment

You can listen to a turntable or other auxiliary equipment.

■ First make sure that the external equipment is properly connected to the System. (See page 5).

1. Set the VOLUME to minimum position.
2. Press the AUX button.
   When the System is in Standby mode, the System is automatically turned on.
   "AUX" appears on the display.

3. Start playing the auxiliary equipment.
4. Adjust the VOLUME control to the desired listening level.
5. Apply sound effects, if you wish.

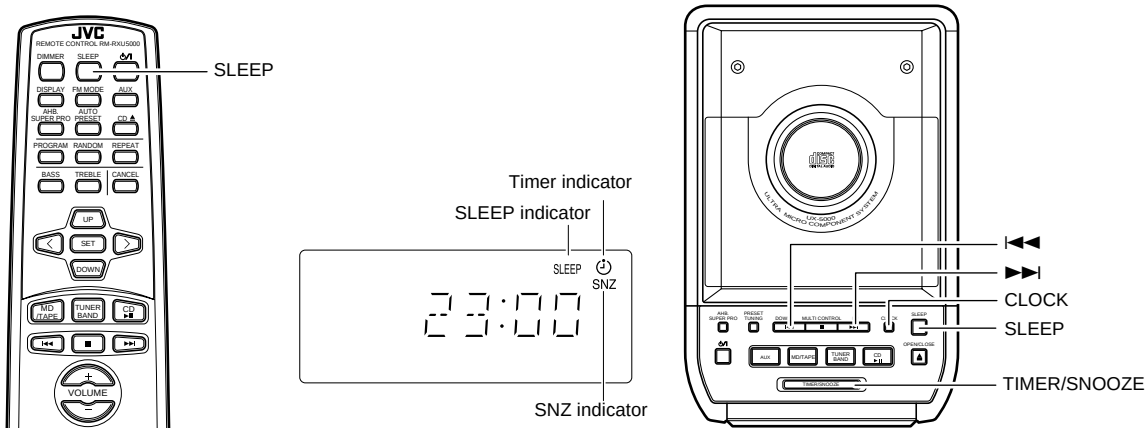
■ Press the AHB Super PRO button to reinforce the bass sound.
■ Press the BASS/TREBLE button to control the tone.
(See "Tone Control" on page 7.)

To exit AUX mode

You will automatically switch out of AUX mode when you select other source.

Note: For operation of the auxiliary equipment, refer to its own Instructions.

Using the Timers



When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

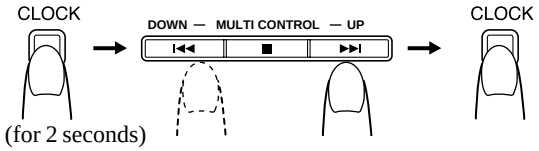
The timers let you control listening functions automatically.

Setting the Clock

You can set the clock whether the System is on or off.

Notes:

- The clock must be correctly set for the timers to work.
- The procedure must be completed within two minutes. Otherwise, the setting is cleared and must be repeated from the beginning.



1. Press the CLOCK button on the Unit for more than two seconds.
   The clock rapidly blinks.
2. Press the ⏮ or ⏭ button on the Unit to set the time.
   Pressing the ⏭ button moves the time forwards and pressing the ⏮ button moves it backwards. Hold down the button to move the time in 10-minute intervals.
3. Press the CLOCK button.
   The selected time is set and the seconds start counting from 0.

CAUTION: If there is a power failure, the clock loses its setting after about 20 minutes. The display shows “0:00” and blinks, and the clock must be reset.

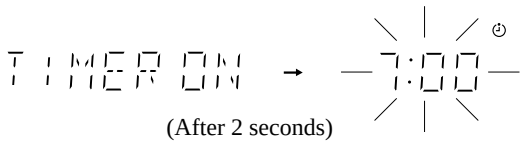
Setting the Daily Timer

You can set the timer whether the System is on or off.

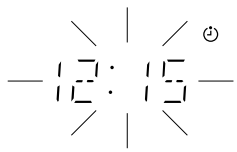
Once you have set the Daily Timer, the timer will be activated at the same time every day. It can be cancelled and re-activated whenever you wish.
The Timer indicator on the display shows when the Daily Timer you have set is in effect.

Note: Perform each setting within 30 seconds. Otherwise, the setting is cleared and the procedure must be repeated from the beginning.

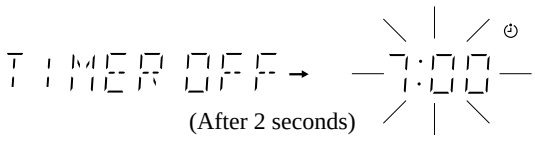
1. Press the ⏻/| button to turn on the System.
2. Setting the ON time (Example: 12:15)
   1. Press the TIMER/SNOOZE button on the Unit.
      The Timer indicator lights up and the current ON time blinks on the display.



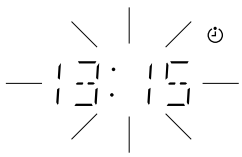
   2. Press the ⏭ or ⏮ button on the Unit to set the time you want the Unit to come on.
      Pressing the ⏭ button moves the time forwards and pressing the ⏮ button moves the time backwards. Hold down the button to move the time in 10-minute intervals..



3. Setting the OFF time (Example: 13:15)
   1. Press the TIMER/SNOOZE button on the Unit.
      The current OFF time blinks on the display.

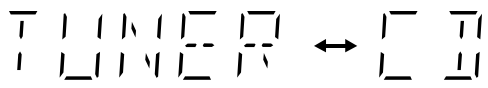


   2. Press the ⏭ or ⏮ button on the Unit to set the time you want the Unit to be turned off.
      Pressing the ⏭ button moves the time forwards and pressing the ⏮ button moves the time backwards. Hold down the button to move the time in 10-minute intervals..



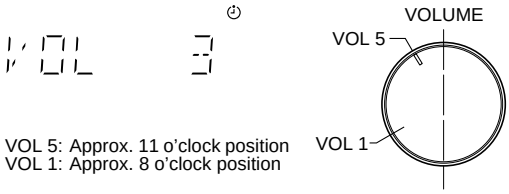
4. Selecting the music source
   1. Press the TIMER/SNOOZE button on the Unit.
      “TUNER” blinks on the display.

2. Press the ►►I or I◄◄ button to select the music source you want to listen to.
   The display changes as shown below.



5. Setting the volume level

1. Press the TIMER/SNOOZE button on the Unit.
   The current volume setting blinks on the display.
2. Press the ►►I or I◄◄ button to select the volume level
   -- : The current volume level wil be used.
   1 to 5: Low (1) to high (5) level. When the timer is turned on, the Volume will be automatically turned to the set position.



VOL 5: Approx. 11 o'clock position
VOL 1: Approx. 8 o'clock position

6. Press the TIMER/SNOOZE button on the Unit.

The timer setting is completed and the display returns to the display before you set the timer (The Timer indicator remains lit).

7. Before turning off the Unit, prepare the music source selected in step 4.

Tuner: Tune to the desired station.
CD: Insert a CD.

8. Press the ⏻/I button to turn off the System.

To cancel the timer, press the TIMER/SNOOZE button. The Timer indicator goes out on the display.
To re-activate the cancelled timer, press the TIMER/SNOOZE button to light the Timer indicator. Then, press the TIMER/SNOOZE button repeatedly, until the display returns to the original display before setting the timer (Be sure that the Timer indicator is lit.).
To confirm the timer settings, cancel the timer once by pressing the TIMER/SNOOZE button. Then, press the TIMER/SNOOZE button repeatedly, and you can see the current timer settings (ON time, OFF time, source, and volume).
To change the timer setting, repeat the setting procedure from the beginning.

- When the timer turns on, the Timer indicator starts blinking.
- When the timer turns on, it is possible to fade in the sound from volume level 0 (zero) to the preset volume.

CAUTION: If the System is unplugged, or a power failure occurs, the timer setting will be lost after about 24 hours. You will need to reset the clock first, then the timer.

5-Minute Snoozing

When the timer turns on the music source you can, if you wish, activate the 5-minute snoozing function to temporarily stop playback.

Press the TIMER/SNOOZE button on the Unit.

The "SNZ" indicator lights up on the display and the power is turned off for five minutes for snoozing.

Setting the SLEEP Timer

Use the Sleep Timer to turn the System off after a certain number of minutes when it is playing. By setting the Sleep Timer, you can fall asleep to music and know that your System will turn off by itself rather than play all night.

■ You can only set the Sleep Timer when the System is on and a source is playing.

1. Play a CD or tune in to the desired station.

2. Press the SLEEP button on the Unit or the Remote Control.

The "SLEEP" indicator lights up.

3. Set the length of time you want the source to play before shutting off.

- Each time you press the SLEEP button, it changes the number of minutes shown on the display in this sequence:

→ 30 → 60 → 90 → 120 → Cancelled → (back to the beginning)

After setting the number of minutes for the Sleep Timer, the display will stop blinking after 5 seconds and return to the display as before setting the Sleep Timer.
The System is now set to turn off after the number of minutes you set.

To Confirm the Sleep Time

When the SLEEP button is pressed, the remaining sleep time is displayed. Wait for 5 seconds until the display returns to the original display.

To Cancel the SLEEP Timer Setting

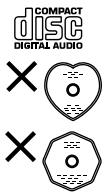
Press the SLEEP button until the "SLEEP" indicator goes off on the display.
Turning off the System also cancels the SLEEP Timer.

■ If you are setting the Daily Timer, the System will be turned on at the set time to wake you up.

Care And Maintenance

Handle your CDs carefully, and they will last a long time.

Compact Discs



- Only CDs bearing this mark can be used with this System. However, continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the System.

- Remove the CD from its case by holding it at the edges while pressing the case's center hole lightly.
- Do not touch the shiny surface of the CD, or bend the CD.

- Put the CD back in its case after use to prevent warping.
- Be careful not to scratch the surface of the CD when placing it back in the case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

- A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.

CAUTION: Do not use any solvent (for example, conventional record cleaner, spray thinner, benzine, etc.) to clean a CD.

Moisture Condensation

Moisture may condense on the lens inside the System in the following cases:

- After turning on heating in the room.
- In a damp room.
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

General Notes

In general, you will have the best performance by keeping your CDs and the mechanism clean.

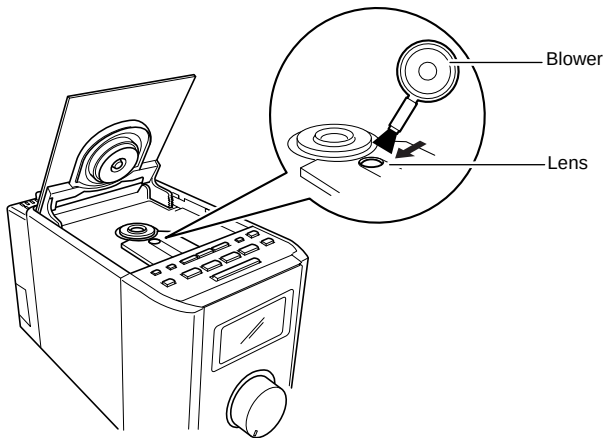
- Store CDs in their cases, and keep them in cabinets or on shelves.
- Keep the system's CD holder closed when not in use.

Cleaning the lens

If the lens in the CD pickup is dirty, dropout, etc., could degrade sound.

Open the CD holder and clean the lens as shown.

- Use a blower (available from a camera store) to blow dust off the lens.



- If there are fingerprints, etc. on the lens, gently wipe clean with a cotton swab.

Troubleshooting

- If you are having a problem with your System, check this list for a possible solution before calling for service.
- If you cannot solve the problem from the hints given here, or the System has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Possible Cause	Action
No sound is heard.	• Connections are incorrect, or loose. • Headphones are connected.	• Check all connections and make corrections. (See pages 4 - 5.) • Disconnect the headphones.
Poor radio reception	• The antenna is disconnected. • The AM Loop Antenna is too close to the System. • The FM Wire Antenna is not properly extended and positioned.	• Reconnect the antenna securely. • Change the position and direction of the AM Loop Antenna. • Extend FM Wire Antenna to the best reception position.
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD.
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
Unable to operate the Remote Control.	• The path between the Remote Control and the sensor on the Unit is blocked • The batteries have lost their charge.	• Remove the obstruction. • Replace the batteries.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	Unplug the System then plug it back in

Specifications

Amplifier

Output Power	30 W (15 W + 15 W) at 4 ohms (Max.) 20 W (10 W + 10 W) at 4 ohms (10% THD)
Input Sensitivity/Impedance (1 kHz)	
AUX	500 mV/59 kohms
MD/TAPE	500 mV/59 kohms
Output Sensitivity/Impedance (1 kHz)	
MD/TAPE	500 mV/4.9 kohms
Optical out	–21 dBm - –15 dBm
Subwoofer	0 - 155 mV/10 kohms
Speaker terminals	4 - 16 ohms
Phones	16 ohm - 1 kohms 0 - 15 mW/ch output into 32 ohms

CD Player

Signal-To-Noise Ratio	90 dB
Wow And Flutter	Unmeasurable

Tuner

FM Tuner	
Tuning Range	87.5 - 108.0 MHz
AM Tuner	
Tuning Range	(MW) 522 - 1,629 kHz (LW) 144 - 288 kHz

Speaker Specifications

(each unit)	Speakers	8 cm cone
	Impedance	4 ohms
	Dimensions	120 × 160 × 186 mm (W/H/D)
	Mass	Approx. 1.5 kg

General

Dimensions	380 × 164 × 295 mm (W/H/D)
Mass	Approx. 6.1 kg

Accessories

Power Cord (1)
AM Loop Antenna (1)
Remote Control (1)
Batteries R6P (SUM-3)/AA (15F) (2)
FM Wire Antenna (1)
Speaker Cord (2)

Power Specifications

Power Requirements	AC 230 V ~ , 50 Hz
Power Consumption	30 watts (power on mode) 5 watts (in Standby mode)

Design and specifications are subject to change without notice.